



# *Massachusetts*

## *State Police Academy*

### *Professional Development Series*

## Advanced Traffic Crash Investigation

### **Course Description: SECOND IN A SERIES OF THREE COURSES**

Building upon the theories and techniques learned in IPTM's *At-Scene Traffic Crash/Traffic Homicide Investigation* course, this class will delve into the advanced concepts of traffic crash investigations.

More complex vehicle dynamics like acceleration/deceleration, factor, rate and airborne situations will be explored. You will learn to estimate speeds from falls, vaults, and flips and the calculation of kinetic energy and linear momentum. You'll also learn to evaluate vehicle lamps, tires, and damage to help determine vehicle behaviors during the collision.

Much of the coursework will be spent using acceleration/deceleration factors and perception/reaction times to determine time/distance relationships for colliding vehicles.

Prerequisite: You must have completed IPTM's *At-Scene Traffic Crash/Traffic Homicide Investigation* course or its equivalent prior to attending this class.

**Dates and Location:** November 3<sup>rd</sup> – November 14<sup>th</sup> 2008 @ 0800 hrs.  
Massachusetts State Police Academy

**Who Should Attend:** Municipal and State Police Personnel

**Registration Information:** Contact IPTM Institute of Police Technology and Management  
@ (904)620-4786 or register online at  
<http://www.iptm.org/Schedule.aspx>

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